

Applicant : James (NMI) Vander Zanden
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In the Claims

Prior to examination and issuance of a first Office Action in the above-identified application, please add new claims 21-24 as follows:

1. (original) A control for a fluid cylinder comprising:
a generally cylindrical housing having a cylindrical opening extending therethrough, an upper end, and a lower end having outwardly projecting resilient tabs, said cylinder including a pivot axle receiving socket formed on an inner wall thereof; and
a control arm including a pivot axle pivotally extending into said socket of said housing, said control arm including a cam surface positioned in spaced relationship to said pivot axle toward said resilient tabs and an opposite end extending through said open end of said cylindrical housing for receiving a control cable therein.
2. (original) The control as defined in claim 1 wherein said lower end of said housing includes a plurality of angular spaced longitudinally extending slots.
3. (original) The control as defined in claim 1 and further including a control button for engaging said cam surface of said control arm.
4. (original) The control as defined in claim 3 wherein said button has a curved upper surface for engaging said cam surface.
5. (original) The control as defined in claim 4 wherein said upper surface of said button is crowned.
6. (original) The control as defined in claim 2 wherein said lower end of said housing includes four equally spaced slots.

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7. (original) The control as defined in claim 6 wherein said housing is made of a polymeric material.

8. (original) The control as defined in claim 7 wherein said opposite end of said control arm includes a socket for receiving an end of a control cable.

9. (original) A fluid cylinder comprising:

a cylinder having a piston rod, a cylinder for said piston rod, a control valve for adjusting the position of said piston rod, and a valve spacer positioned to hold said valve in said cylinder, said spacer having an open upper end;

a generally cylindrical housing having a cylindrical opening extending therethrough, an upper end, and a lower end having outwardly projecting resilient tabs, said cylinder including a pivot axle receiving socket formed on an inner wall thereof, said cylinder insertable into said open end of said valve spacer; and

a control arm including a pivot axle pivotally extending into said socket of said housing, said control arm including a cam surface positioned in spaced relationship to said pivot axle toward said resilient tabs for engaging said control valve and an opposite end extending through said open end of said cylindrical housing for receiving a control cable therein.

10. (original) The cylinder as defined in claim 9 wherein said valve spacer includes an annular surface and said tabs of said housing engage said annular surface for holding said housing within said cylinder.

11. (original) The cylinder as defined in claim 10 wherein said housing rotates within said cylinder.

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12. (original) The cylinder as defined in claim 11 wherein said lower end of said housing includes a plurality of angular spaced longitudinally extending slots.

13. (original) The cylinder as defined in claim 12 and further including a control button for engaging said cam surface of said control arm.

14. (original) The cylinder as defined in claim 13 wherein said button has a curved upper surface for engaging said cam surface.

15. (original) The cylinder as defined in claim 14 wherein said upper surface of said button is crowned.

16. (original) The cylinder as defined in claim 15 wherein said lower end of said housing includes four equally spaced slots.

17. (original) The cylinder as defined in claim 16 wherein said housing is made of a polymeric material.

18. (original) The cylinder as defined in claim 17 wherein said opposite end of said control arm includes a socket for receiving an end of a control cable.

19. (original) A control assembly for an adjustable pneumatic cylinder comprising:

a generally cylindrical polymeric housing having a cylindrical inner wall, an upper end, and a lower end having outwardly projecting resilient tabs, said cylinder including a pivot axle receiving socket formed on said inner wall;

a control arm including a pivot axle pivotally extending into said socket of said housing, said control arm including a cam surface positioned in spaced relationship to said pivot axle toward said resilient tabs and an opposite end extending through said open end of

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said cylindrical housing for receiving a control cable therein; and
a control button for engaging said cam surface of said control arm.

20. (original) The control as defined in claim 19 wherein said button has a curved upper surface terminating in a centrally located crown for engaging said cam surface of said central arm.

21. (new) A pneumatic cylinder having a snap-in rotatable control, said cylinder comprising:
a pneumatic cylinder having a housing including a piston and piston rod which extends from said housing from one end; and
an actuator mechanism for selectively controlling fluid to said piston at an opposite end;
wherein the improvement comprises a control rotatably coupled to said cylinder at said opposite end for engaging said actuator mechanism, such that said cylinder can be mounted within a structure and said control rotated to any angled position for the attachment of an actuating member thereto.

22. (new) The pneumatic cylinder as defined in claim 21 wherein said rotatable control is snap-fitted into said opposite end of said cylinder.

23. (new) A fluid cylinder and control comprising:
a fluid cylinder including an outer, generally cylindrical housing having a cylindrical opening at an upper end;
a rotatable housing rotatably fitted within said spacer, said rotatable housing having a lower end with outwardly projecting resilient tabs for snap-fitting said rotatable housing into engagement with said cylindrical housing, said rotatable housing further including a pivot axle receiving socket formed on an inner wall thereof; and
a control arm including a pivot axle pivotally extending into said socket of said rotatable housing, said control arm including a cam surface positioned in spaced relationship to

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said pivot axle toward said resilient tabs and an opposite end extending through said open end of said outer cylindrical housing for receiving a control cable therein, wherein said control arm can be rotated to any desired position for installing said fluid cylinder into a device.

24. The fluid cylinder as defined in claim 23 and further including an insert spacer extending within said cylindrical opening of said outer housing, wherein said insert spacer is fitted within said open end of said outer housing and said rotatable housing is snap-fitted and rotatably mounted within said insert spacer.